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ABSTRACT

A bibliographic listing is provided which contains 2,692 items selected and abstracted for a basic file of technical information on instructional system development. These items date back to 1953 and represent a subset of articles within the general area of instructional systems; they include both reports of pertinent original research as well as summarizing and discursive articles of interest to instructional systems designers. In addition, a comprehensive index of over 600 key words related to instructional development is provided to assist users in locating pieces of literature germane to their immediate interest. (Author)

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A COMPREHENSIVE KEY WORD INDEX AND BIBLIOGRAPHY ON INSTRUCTIONAL SYSTEM DEVELOPMENT

By

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This report provides a bibliographic listing of the 2,692 items selected and abstracted for a basic file of technical information on instructional system development. Both reports of pertinent original research as well as summarizing and discursive articles are included. The items date as far back as 1953 and represent a subset of articles within the general topic selected for special relevance. In addition, a comprehensive index according to over 600 key words is provided to assist the user in finding items of immediate interest.

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PREFACE

This report was prepared by Applied Science Associates, Inc. (ASA), Valencia, Pennsylvania, under Air Force Contract F33615-72-C-1884. The work described herein was accomplished under Project No. 7907, Conditions of Effective Training and Transfer. The project was administered by the Advanced Systems Division, Air Force Human Resources Laboratory. From contract initiation on 15 June 1972 through 31 December 1972, the Technical Monitor was Horace H. Valverde (now retired). Dr. Theodore E. Cotterman assumed the Technical Monitorship of the contract for the final months of the effort. Sanford P. Schumacher was the Principal Investigator.

This index and bibliography is one of four reports prepared under the contract. The index in this report contains over 600 key words related to instructional system development. The complete list of key words is presented in a companion technical report.* The companion document also contains definitions of these index terms preceded by an asterisk (*). The sources searched and the search strategy employed to prepare the 2692-item bibliography contained in this report are described in a final technical report.**

The authors wish to express their gratitude to the many people who helped in developing the index and bibliography. Margaret Nesbitt and Kathryn Sharretts compiled the early list of index terms. Susan Colwell, Jean O'Meara, and Ann Kocher maintained the index file and typed the bibliography. Dr. Allen Pinkus prepared the computer program which generated the index. And finally, the authors want to thank the abstractors who so conscientiously assigned the appropriate index terms after reviewing the documents.

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*The first technical report is: Schumacher, S. P., Swezey, R. W., Pearlstein, R. B., & Valverde, H. H. Guidelines for abstracting technical literature on instructional system development. AFHRL-TR-74-13. Wright-Patterson AFB, Ohio: Advanced Systems Division, Air Force Human Resources Laboratory, February 1974.

Schumacher, S. P., & Wiltman, S. A compendium of research and development needs on instructional system development. AFHRL-TR-74-15. Wright-Patterson AFB, Ohio: Advanced Systems Division, Air Force Human Resources Laboratory, February 1974.

**The final technical report is: Schumacher, S. P. Development of a technical data file on the design and use of instructional systems. AFHRL-TR-73-41. Wright-Patterson AFB, Ohio: Advanced Systems Division, Air Force Human Resources Laboratory, December 1973.

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EXPLANATION OF CONTENTS

The following 66 pages provide an index to the 2,692 articles that were abstracted as an initial step toward the development of a basic file of technical information pertinent to the development and use of instructional systems. Over 600 topics are represented in the index.

The numbers shown in the index refer to items in the bibliography which starts on page 67. The items in the bibliography are not arranged alphabetically or chronologically because continuous additions to the bibliography are planned.

This bibliography and index can be used for several purposes. The bibliography indicates the type of articles that are being included in the file of technical data on the Instructional System Development (ISD) process. The index indicates the range of topics covered in the technical data file, and the degree of detail in the indexing, and thereby the precision of the manual retrieval system. The present index and bibliography can be used to obtain references on a given facet of the ISD process, or, if one has access to the abstracts, to obtain a directly useful abstract of the desired article.

A computer-based system to store and selectively retrieve information from the abstracts has been planned. Efforts to develop the system are continuing.

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